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Application Number	10/528,208
Filing Date	March 17, 2005
First Named Inventor	Meier
Art Unit	1645
Examiner Name	Unknown
Attorney Docket Number	606-42-PCT-PA

Total Number of Pages in This Submission

ENCLOSURES *(Check all that apply)*

- ☐ Fee Transmittal Form
  - ☐ Fee Attached
- ☐ Amendment/Reply
  - ☐ After Final
  - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☑ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/ Incomplete Application
  - ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
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- ☐ Terminal Disclaimer
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- ☐ After Allowance communication to Technology Center (TC)
- ☐ Appeal Communication to Board of Appeals and Interferences
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- ☐ Proprietary Information
- ☐ Status Letter
- ☐ Other Enclosure(s) (please Identify below):

Remarks

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Gabor L. Szekeres
Signature	Gabor L. Szekeres
Date	December 22, 2005

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Signature	T. Whyte	Date	December 22, 2005

ATTORNEY DOCKET NO. 606-42-PCT-PA PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
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Meier, et al.)
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Serial No.: 10/528,208)
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Filed: March 17, 2005)
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For: Antibody and Screening Method)
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Examiner: Unknown

Art Unit: 1645

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December 22, 2005

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Dear Sir:

Pursuant to 37 CFR Sections 1.97 and 1.98, and in fulfillment of the duty of candor set forth in 37 CFR Section 1.56, Applicant cites the following documents listed on Form 1449, submitted herewith. Copies of the non-US patent references are enclosed.

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,140,075			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.[1]	Foreign Patent Document ountry Code -Number[4]-Kind[5] (if known)	Publication Dat MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Releva Passages or Relevant Figures Appear	T[6]
		WO 94/13804				
		WO 0183806 A1				
		WO 0005391 A1				

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
		Belanger H, Fleysh N, Cox S, Bartman G, Deka D, Trudel M, Koprowski H, Yusibov V. Human respiratory syncytial virus vaccine antigen produced in plants. FASEB J. 2000 Nov; 14(14):2323-2328.
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		Giddings G, Allison G, Brooks D and Carter A (2000) Transgenic plants as factories for biopharmaceuticals. Nat Biotechnol 18: 1151-1155.
		Isaacs JD. The antiglobulin response to therapeutic antibodies. Seminars in Immunology 1990; 2: 449-456.
		Kohler G, Milstein C. Continous cultures of fused cells secreting antibody of predefined specificity. Nature 1975; 256: 495-497.
		Ma JK, Hikmat BY, Wycoff K, Vine ND, Chargelegue D, Yu L et al. (1998) Characterization of a recombinant plant monoclonal secretary antibody of preventive immunotherapy in humans Nat Med 4:601-606.
		Richter LJ, Thanavala Y, Arntzen CJ, Mason HS. Production of hepatitis B surface antigen in transgenic plants for oral immunization. Nat Biotechnol. 2000 Nov; 18 (11): 1167-1171.
		Verch T, Yusibov V and Koprowski H (1998) Expression and assembly of a full length monoclonal antibody in plants using a plant virus vector. J Immunol Methods 220: 69-75.
		Zeitlin L, Olmsted SS, Moench TR, Col MS, Martinell BJ, Paradkar VM et al. (1998) A humanized monoclonal antibody produced in transgenic plants for immunoprotection of the vagina against genital herpes. Nat Biotechnol 16: 1361-1364.
		Hiatt A, Cafferkey R and Bowdish K (1989) Production of antibodies in transgenic plants. Nature 342:76-78
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		Power et al., 1995.
		Regnault et al., (1999) J exp Med. 189: 371-380.
		Ward, E.S. et al., Nature 341:544-546 (1989).

		Bird et al., Science 242: 423-426 (1988)	
		Huston et al., PNAS USA 85: 5879-5883 (1988)	
		P. Hollinger et al., Proc. Natl. Acad. Sci. USA 90:6444-6448 (1993).	
		Velten et al., 1984	
		Shen and Forde (1989)	
		Bechtold and Pelletier, 1998	
		Clough and Bent, 1998	
		BIOSIS, accession no. PREV200200359263, Bouquin Thomas et al, " human anti-Rhesus D igG1 antibody produced in transgenic plants" Transgenic Research, (2002), vol. 11, no.2, pg115-122, page 116-117	
		Eur J Immunol. Vol. 24, no.1, 1994 Jan, Ma JK, Lehner T. et al: "Assembly of monoclonal antibodies with IgA heavy chain domains in transgenic tobacco plants' pages 131-138, page 132, section 2,4	
		Plant J. volume 27, no. 3, 2001 Aug. Li X, Song Y et al, "A fast neutron deletion mutagenisis-based reverse genetics system for plants," pgs 235-242, page 237	
		BIOSIS, accession no. PREV 19990087821, McCormick Alison A et al, "Rapid production of specific vaccines for lymphoma by expression of the tumor derived single-chain Fv Epitopes in tobacco plants," Proceedings of the National Academy of Sciences of the United States of America, (1999), vol. 96, No. 2, pg 703-7608, page 703, right column	
		Biosis, accession no. PREV 199900255881, Franconi Rosella et al, "Functional expression in bacteria and plants of an scFv antibody fragment against tospoviruses," Immunotechnology (Shannon), (1999), vol.4, no. 3-4, pg 189-201, abstract	
		In Vitro Cellular and Development biology animal, volume 38, 2002, Yong-Quiang et al: "Produce and Characterize Several Classes of Plantibodies (Plant made Monoclonal Antibodies," page 1141, page 56-A, abstract	☐
		Molecular Biotechnology, vol. 20, 2002, GG Zhang et al, "Production of HIV-1 p24 protein in transgenic tobacco plants," 131-136.	☐
		Vaccine, vol 19, 2001, SJ Streatfield et al, "Plant based vaccines: unique advantages," 2742-2748.	☐
		Proc. Natl. Acad. Sci. USA, vol 98, 2001, R Mahalingam & N Fedoroff, "Screening insertion libraries for mutations in any genes simultaneously using DNA microarrays," 7420-7425.	☐
		http://www.arabidopsis.org/abrc/scheible.html, "T-DNA transformed activation tag lines from W Scheible and C Somerville" last modified 29.08. 2001.	☐

REMARKS

Submission of the foregoing document is no representation that a search was made, or if made, that it was comprehensive, or that no other documents exist which may be material to the above-identified application. Moreover, the Applicant does not concede that the foregoing documents are necessarily prior art to the invention. In the event a fee is required, the Commissioner is hereby authorized to charge deposit account number 502362. A copy of this page for that purpose is enclosed.

Date: Dec 22, 2005

By: Gabor L. Szekeres

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Registration No. 28,675

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PTO/SB/08A (10-01)
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	5

Complete if Known	
Application Number	10/528,208
Filing Date	March 17, 2005
First Named Inventor	Meier, et al.
Art Unit	1645
Examiner Name	Unknown
Attorney Docket Number	606-42-PCT-PA

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,140,075			
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		WO 0183806 A1				
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Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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		Belanger H, Fleysh N, Cox S, Bartman G, Deka D, Trudel M, Koprowski H, Yusibov V. Human respiratory syncytial virus vaccine antigen produced in plants. FASEB J. 2000 Nov; 14(14):2323-2328.	☐
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		Ma JK, Hikmat BY, Wycoff K, Vine ND, Chargelegue D, Yu L et al. (1998) Characterization of a recombinant plant monoclonal secretary antibody of preventive immunotherapy in humans Nat Med 4:601-606.	☐

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		Hiatt A, Cafferkey R and Bowdish K (1989) Production of antibodies in transgenic plants. Nature 342:76-78	☐
		Will, et al., 1996.	☐
		Power et al., 1995.	☐
		Regnault et al., (1999) J exp Med. 189: 371-380	☐
		Ward, E.S. et al., Nature 341:544-546 (1989).	☐
		Bird et al., Science 242: 423-426 (1988)	☐
		Huston et al., PNAS USA 85: 5879-5883 (1988)	☐

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		P. Hollinger et al., Proc. Natl. Acad. Sci. USA 90:6444-6448 (1993).	☐
		Velten et al., 1984	☐
		Shen and Forde (1989)	☐
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		Clough and Bent, 1998	☐
		BIOSIS, accession no. PREV200200359263, Bouquin Thomas et al, " human anti-Rhesus D igG1 antibody produced in transgenic plants" Transgenic Research, (2002), vol. 11, no.2, pg115-122, page 116-117	☐
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